

ac products, inc.

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AC-816 MASKANT

Industrial Hygiene

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PRODUCT DESCRIPTION

AC-816 is an air cure general purpose peelable coating that provides protection to metallic surfaces during mechanical fabrication and chemical processing.

PRODUCT PERFORMANCE

AC-816 has demonstrated excellent performance when used as a chemical milling maskant and an anodizing stop off. A major breakthrough in the science of adhesion control has been incorporated into AC-816. As a result, lower, more uniform adhesion is obtained both before and after processing regardless of the alloy or pre-coat method used. AC-816 was formulated with an all perchloroethylene solvent system for use in a dip tank and will provide excellent flow properties. The all perchloroethylene solvent system lends itself to use with a carbon absorption solvent recovery system.

PRODUCT CHARACTERISTICS - AS SHIPPED

APPEARANCE	Blue-green viscous liquid
SOLIDS CONTENT (% by weight)	20.5 + 2.0
SOLIDS CONTENT (% by volume)	23.5 + 2.0
COVERAGE (Square feet/mil dry film)	380
VISCOSITY (#5 Zahn cup @ 75°F.)	28.0 + 4.0 seconds
POUNDS PER GALLON	13.0 + 0.2
FLASH POINT (PENSKEY MARTENS).....	None
STORAGE LIFE (Ambient temperatures)	1 Year
SOLVENT SYSTEM	Perchloroethylene

- CURED FILM (Typical Results)

TENSILE STRENGTH	600#
ELONGATION	300% minimum
ADHESION (Typical values in oz./inch width)	

	BEFORE PROCESSING	AFTER PROCESSING
7075-T6 bare aluminum, solvent wiped	8 - 16 oz.	16 - 22 oz.
7075-T6 clad aluminum, solvent wiped	8 - 16 oz.	16 - 22 oz.
7075-T6 bare aluminum, deoxidized	12 - 18 oz.	18 - 22 oz.
7075-T6 clad aluminum, deoxidized	12 - 18 oz.	18 - 22 oz.

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"Service is Part of Our Formula"

BOE-C6-0225883